

PUBLIC WORKS ASSEMBLY UPDATE
WORK COMPLETED DECEMBER 2016 THROUGH JANUARY 11 2017

Landslide Disaster Repair:

Milestones This Period

- Completion of final paperwork and closeout of Category A – Debris Removal.
- Replaced damaged culverts on Blue Lake and Green Lake Road.
- CBS received the damage assessment reports from the Insurance adjustor for the GPIP Administrative building and staff is incorporating the information into the bid documents for repairs to the building. Arranged for an expert to assist with the proper development of Hazardous Materials Abatement portion of the bid package.

Future Milestones

- Complete and compile the bid package for the repairs to the GPIP Administration Building for the review and approval by the State of Alaska.
- Grade and resurface Blue Lake and Green Lake Road.
- Change order to the Water Treatment Plant Access road repair to avoid conflicts with existing utilities.

Background

On August 18, 2015 a strong storm system brought heavy rains and winds to Sitka. This event caused multiple landslides on Baranof Island damaging City infrastructure. The City declared a local disaster emergency and requested State assistance. On August 27, 2015 Governor Bill Walker declared the event a disaster and authorized up to \$1,000,000 of expenditures funded from the Disaster Relief Fund (DRF) in the form of a grant from the Department of Military and Veterans Affairs, Division of Homeland Security and Emergency Management (DHS&EM). A request has been made to increase to \$1.6 million.

DHS&EM divides disaster related work into the following categories:

- Category A – Debris Removal
- Category B - Emergency Protective Measures
- Category C – Roads and Bridges
- Category D - Water Control Facilities (not included in our disaster)
- Category E – Buildings and Equipment
- Category F – Utilities (Water, Wastewater & Electric)
- Category G – Parks, Recreational Areas and Other Facilities

The City had damages relating to six out of the seven categories listed above. Nine project worksheets were created itemizing out the damaged areas and repairs to bring the infrastructure back to pre-disaster condition. The City estimates the repairs to be \$1.6 million and was granted authorization to spend \$1,500,000 by the Assembly.

Harrigan Centennial Hall (HCH) Renewal:

Milestones This Period

- The Construction Contract Punch List Items were completed for project “Physical Completion”.
- More Staff training for use of new building systems, operations, and maintenance.
- The major portion of the HCH Furniture Order arrived mid-December 2016.

Future Milestones

- Additional Furniture, Fixtures, and Equipment (FF&E) procurement is still under way to complete the Kitchen Equipment and Maintenance Equipment procurement.
- Installation and programming of the AV Equipment Package is approximately 98% complete. The outstanding equipment will be installed and punch list items completed and/or corrected and inspected during final AV Equipment Contractor site visit scheduled for January 30- February 5, 2017.
- Final Completion of the project (closeout of all paperwork).

Background

The current funding includes four State grants totaling \$11,500,000; a \$1,991,271 FY'10 Legislative Grant designated for a lightering facility visitor's center (previously planned for under the O'Connell Bridge), \$1,180,000 FY'11 CPET Head Tax grant, \$1,400,000 Marine Passenger Funds, \$232,620 heat pump grant, and \$66,000 from the Sitka Historical Society for a total project budget/funds of \$16.4 million.

Airport Terminal Upgrades:

Milestones This Period

- The baggage screening consultant submitted preliminary baggage screening layouts to the Architect and CBS for the **TSA baggage screening design grant project**. This design does not address the many problems that exist with passenger flow, through-put, fish boxes, and baggage especially during the Visitor season. Staff are working on a plan to improve the airport terminal problems along with the baggage screening.

Future Milestones

- Prepare PFC funding plan for Assembly approval.
- Revise the preliminary TSA Baggage Screening Design Project Schedule to be combined with a comprehensive project schedule (with Assembly approval).

Background

Airport Terminal Master Plan 2008-2011 called for corrections to three critical Sitka airport terminal building deficiencies, including (1) working conditions in the baggage make-up area and (2) working conditions in the TSA baggage screening area. CBS addressed the third deficiency – the lack of hold-area rest rooms –in 2010.

TSA offered Sitka \$158,569.25 grant funds to design improvements to the TSA Baggage Screening Area. Other areas impacted by these design changes are ineligible for the TSA design funding. It is permitted for the PFC funds previously collected to be spent correcting deficiencies in the baggage make-up area.

Sitka Wayfinding Signage

Milestones This Period

- The Assembly approved the Wayfinding Signage CPET Funding – budget Appropriation.
- Public Works accepted the responsibility of managing the project and putting together the bid package and bidding the project. We will continue to work with the Sitka Chamber of Commerce to develop and vet the signage content for the actual signage fabrication and installation.

Future Milestones

- Prepare the bid package and bid the project.
- Determine the required lead time to fabricate the signage in order to prepare a preliminary project schedule with the goal of completing the project in 2017.

Background

Wayfinding signage was identified as one of the key projects in the 2010 Sitka Passenger Fee Fund Implementation Plan. On June 25, 2013 the Assembly approved a request from the Tourism Commission and Destination Sitka Working Group to move the Wayfinding Signage Project forward by funding the project utilizing Commercial Passenger Excise Tax proceeds. The Sitka Convention & Visitors Bureau (SCVB) was tasked to manage the project at that time. Later The Sitka Chamber of Commerce managed the project while the Consultant, Great Destinations Strategies (GDS), completed the design intent drawings and general specifications. With these complete, the project management has shifted to Public Works to oversee the fabrication and installation of the signage. The project is anticipated to be completed in 2017. The Assembly approved a budget appropriation of \$282,300 from Fund 194, Commercial Passenger Excise Tax Fund, to Fund 700, General capital projects Fund, for the purpose of designing and constructing Wayfaring signs.

Gary Paxton Industrial Park Dock:

Milestones this Period

- Working with Design/Builder on design options for transfer bridge and electrical power system.
- Contractor submitted USACE permit application on behalf of CBS.
- GPIP Board meeting on January 9, 2016 to discuss design alternatives and potential request for additional project funds from Assembly.

Future Milestones

- Design development in early 2017.
- Construction anticipated June – August 2017.

Background

The project is funded by a designated Legislative Grant, administered by the State of Alaska, Dept. of Commerce, Community & Economic Development, and Division of Community & Regional Affairs. The total amount of the grant is \$7.5 million. The project is administered by Public Works and the GPIP Director, Garry White. A design/build contract was awarded to Turnagain Marine Construction in the amount of \$6,800,000 on November 22, 2016. The Assembly approved establishing a project contingency of \$250,000 utilizing \$125,000 from the Bulk Water Fund and \$125,000 from the GPIP Enterprise Fund on December 13, 2016. Substantial completion is anticipated in Fall 2017.

Jeff Davis Street Reconstruction Project:

Milestones This Period

- Contractor submitted schedule for Phase II of the project, which will extend from John Brady Drive to Lincoln Street.

Future Milestones

- Mobilization for project scope south of John Brady (Phase II) to begin by early April. Substantial completion is anticipated by June 6, 2017.

Background

The project includes replacement of approximately 50-year old undersized water main with new, large diameter pipe within Jeff Davis Street and replacing the existing storm drainage infrastructure, pavement, curb, gutter and sidewalks. The project will also improve the sewer service to four homes on Jeff Davis Street currently served by a collection main crossing private property. A change order was executed to replace ~220 LF of critical sewer main which had not been anticipated, however had a significant belly (greater than 1 foot) and may have been a future issue that could undermine the new asphalt if not

addressed. Funding for the project is provided by the following sources; \$644,000 FY2015 ADEC Grant, \$812,000 FY2014 ADEC Water Loan, \$225,000 from 2016 General Fund and \$110,000 from 2017 General Fund.

Landfill and Crescent Lift Station Replacement:

Milestones This Period

- Issued Notice to Proceed to Coastal Excavation on December 28, 2016 to construct Landfill Lift Station Improvements.

Future Milestones

- Substantial completion for Landfill lift station is anticipated by mid-April 2017.
- Crescent lift station design to be complete by mid-February 2017. Substantial Completion is anticipated by mid-July 2017

Background

The project includes replacement of the Landfill Lift Station and force main pipe at the end of Tilson Street and the Crescent Lift Station adjacent to the Sitka Sound Science Center. The pumps and components of both lift stations are inefficient, obsolete and, in the case of the Landfill Lift Station, corroded due to the landfill leachate it is pumping to the wastewater treatment plant. There have also been four force main break within the past 2 years. Funding for the project is provided by the following sources: Two separate ADEC loans (the Lake, Monastery, Channel and Landfill lift station loan; and a separate Crescent lift station loan) and the wastewater fund.

Federal Land Access Program (FLAP) Grant: Phase 6:

Milestones This Period

- Sitka Trail Works conducted meetings with SEDA on December 8, 2016, and Sitka Parks & Rec committee on December 18, 2016, to solicit comments on proposed trail alignment.

Future Milestones

- Sitka Trail Works will arrange for biological and cultural reports for NEPA environmental permitting to be completed in partnership with the Forest Service this fall and winter.
- Sitka Trail Works will apply for Corps permit on behalf of the City after US FS wetlands delineation. The Corps permit will be in place by 2018.
- The completion date is estimated spring 2020 for all permitting. The project will be construction ready at that time.

Background

The City and Borough of Sitka has been awarded a \$250,000 MAP-21 Federal Lands Access Program (FLAP) Grant for planning, design and permitting of Phase 6 Cross Trail multimodal pathway (Cross TMP), connector from Kramer Drive to Alaska Marine Ferry Terminal, by Western Federal Lands (WFL). The Assembly approved submission of the grant in Resolution 2014-06 in April 2014. The Western Federal Lands Access Program application was submitted in April 2014, and then awarded on July 26, 2014. This is listed as a FY16 budgeted project with Western Federal Lands Access Program.

South Lake – West DeGroff water, sewer and street repairs:

Milestones This Period

- Issued request-for-proposal (RFP) to four civil engineering firms on CBS's Professional Services Roster to design the improvements.

Future Milestones

- Review RFP submittals, select design consultant and issue notice-to-proceed (NTP) by mid-January 2017.
- Solicit construction bids in April 2017.
- Issue construction NTP in early May 2017 with Substantial Completion anticipated by late September 2017.

Background

The project includes replacement of aging, corroded water, sewer and storm drainage infrastructure in Lake Street from the roundabout to DeGroff Street, and DeGroff Street from Lake Street to Monastery. The project will also replace pavement, curb, gutter and sidewalk, which will be demolished during the utility replacement. Funding for the project is provided by the following sources; \$1,000,000 FY2017 ADEC Grant, \$715,800 FY2015 ADEC Water and Sewer Loans, \$200,000 from 2017 General Fund, \$50,000 from the 2017 Water Enterprise Fund and \$50,000 from the 2017 Wastewater Enterprise Fund.

Eagle Way and Old Harbor Mountain Road Utility and Road Upgrades:

Milestones This Period

- Reviewed and approved project material submittals from Contractor.
- Eagle Way road section revisions to add parking lane complete.
- Grant deadline extended to June 30, 2018.

Future Milestones

- Construction is anticipated to begin April 2017 with completion required by June 30, 2017.
- Change order to account for Eagle Way road section revisions within available grant funds.

Background

The project will include new pavement, storm drainage, water main and services, and a pedestrian pathway within Eagle Way. The project will also include new pavement and storm drain improvements within Old Harbor Mountain Road. Funding for the project consists of a \$1,500,000 Commerce Community and Economic Development Grant.

Nelson Logging Road Upgrades:

Milestones This Period

- Revised cost estimates to investigate design alternatives.

Future Milestones.

- Wetlands report January 2016.
- Final Design (100%) originally anticipated February 2017, however may be delayed depending on possible design alternatives under consideration.
- Construction is anticipated to begin as early as summer 2017.

Background

The project includes replacing both inadequate bridges and upgrading Nelson Logging Road as funding allows. The scope may also include road realignment(s) and widening to accommodate two-way traffic, and possible pedestrian amenities. Funding for the project is provided by \$2,343,000 Commerce Community and Economic Development Grant.

Sitka 2016-17 Paving Project:

Milestones This Period

- Design development progressing.

Future Milestones

- 65% plans completed February 2017.
- Final design completed March 2017.
- Advertisement for bids early 2017.
- Construction is anticipated in summer 2017.

Background

The project includes new pavement and ADA curb ramps with curb and gutter, storm drain improvements and sidewalk as necessary. Funding for the project is provided by the following sources:

\$ 500,000	CBS Capital Improvement Lincoln Street – Jeff Davis to SNHP FY16
\$1,130,000	CBS Capital Improvement Katlian Avenue FY16
\$ 310,000	CBS Capital Improvement Gavin Street – Brady to Cascade FY15 & FY16
\$ 385,000	CBS Capital Improvement Brady Street Pavement & Sewer FY17
\$ 405,000	CBS Capital Improvement Kashevaroff Street Pavement, Water & Sewer FY17
\$ 50,000	CBS Capital Improvement Sitka Hospital Emergency Entrance FY17
\$ 30,000	CBS Capital Improvement Lincoln Street, Water & Sewer FY17
<u>\$ 50,000</u>	CBS Capital Improvement Katlian Avenue, Water & Sewer FY17
\$ 2,860,000	Total Project Funding

Water

- Water operators performed a number of water valve locates for property manager. The water valves are located on private property that are often (unknowingly) covered during landscaping and construction projects.
- Water operators inspected our water valve vaults to ensure the heaters were functioning, secure, and free of water or ice.
- Water operators continue to receive a large number of calls from homeowners that have flooding in their homes due to frozen pipes. Oftentimes the occupants of these homes are unaware of the location of the water shutoff inside of the house. As a courtesy, operators will assist with locating the valve which often requires crawling around under the house. The operators will also look for the property valve but those are often inaccessible due to snow/ice, landscaping, etc.
- On Jan 4th a water main break occurred on the 1960s 8 inch cast iron DOT line at the airport. DOT hired Coastal Excavation to do the repair. The water line in this section is approximately 14 feet deep (typical depths are in the 5-6 feet range). During the excavation the water and sewer service to the FAA building was hit. Crews were able to cap the service and keep water flowing until the water main was exposed and repaired. A loss of pressure occurred during the repair of the main which required a boil water notice (per Alaska Department of Environmental Conservation regulations) to be put in effect. A repair band was placed over the holes. The line was flushed and coliform samples taken. Pending the results of the samples the boil order will be rescinded on Jan 10th. Old pipe and corrosion appear to be the culprits of the holes.

Our CCTV camera will be used to look at the sewer pipe to be sure the pipe is free of debris.

- On Jan 5th a water main break occurred at the top of Shotgun Alley on the 1980s ductile iron pipe. Crews were mobilized and the two holes were covered with a repair band. The repair was able to be made on Jan 6th with positive pressure so no boil water order was needed. Corrosion appears to be the culprit of the holes.
- On Jan 7th a water break occurred on the hydrant leg of the 1960s 6 inch cast iron pipe. The hydrant leg comes off of the 10 inch cast iron water main. The pipe was buried 8-10 feet. During the dig crews battled water coming into the excavation from Wrinkle Neck Creek via a compromised culvert and Swan Lake. The creek was diverted around the culvert with a bypass pump and hoses. Multiple trash pumps were needed to pump water out of the excavation. Crews spent most of Sunday trying to control the water so they could dig down and get the pipe exposed. The pipe was found to be completely broke around. A valve was put on the hydrant leg and after the line was flushed water was turned on with a boil water notice in effect for the three addresses affected. Coliform samples were taken and the boil order was rescinded on Jan 9th. Crews are in the process of finishing up the hydrant repair and the road should be put back together and opened by end of day Jan 10th. Pipe age and surrounding conditions appear to be the cause of the break. The sewer line will be cleaned and looked at with our camera to determine if any damage was done due to the break.

Wastewater

- Once a year each of the three wastewater clarifiers (removes solids) are taken down for cleaning, inspection and maintenance. One clarifier has been taken down so far this year. Routine maintenance was performed which includes replacement of sacrificial anodes.
- Water and wastewater staff provided emergency standby assistance during the repair at the Green Lake dam.
- Water and wastewater crews responded to the electrical outages. During outages, the water and wastewater crews ensure power is transferred to all generators (most are quite old) and monitor the systems until power is restored. The generators provide power to our lift stations that pump wastewater over to the wastewater treatment plant on Alice Island. Once power is restored the crews go back around to ensure power has transferred back and all equipment is operating as it should.
- Work is underway for the installation of a replacement blower. There are two blowers (one has been irreparable for some time) that are original to the plant (1984). The blowers provide air to the thickener which is used to thicken the sludge before it goes through the dewatering process on our belt filter press. The blower installation requires concrete modification and piping reconfiguration.